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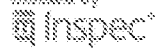
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... We noticed that the 100 Mb/sec backbone link gets saturated **before** the Verifier does. ... isolated on a "non-connected" **VLAN** until the **user** at that port is **authenticated** [21]. ... relies on an expensive specialized hardware **switch**, and is not secure from **MAC-address** spoofing attacks. ...

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... 33 5.2.1 IP and **MAC address** spoofing The development of Diameter was needed to **address** several flaws in the design of the RADIUS protocol. These flaws include: ... The authenticator (the entity that wishes to enforce **authentication before** allowing access ...

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... To prevent **MAC address** spoofing and replay attacks based on a spied access token, we encrypt the ... to obtain access to a **switch** LAN by means of the extensible **authentication** protocol (EAP ... The systems described above are all limited to **address** a single aspect, namely access ...

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... not available in Windows 95, Windows 98, Windows CE, and several versions of **MAC OS**. ... Any packet with a destination **address** other than the DHCP server, the DNS server, the Web ... Upon **authentication** (by MS Passport), the PANS Authorizer does a look-up in its Policy Table ...

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A Friday, M Wu, J Finney, S Schmid, K Cheverst, N ... - Wireless Networks, 2003 - Springer

... port (the only host and port the mo- bile is allowed to communicate with **before** it has ... More advanced systems attempt to tackle one or more of the problems associated with **MAC address** filtering by ... Improving the performance of client **authentication** is the subject of future work. ...

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... easier to administer in large network environments than the currently used **MAC address** identification mechanism ... long duration, the IV is changed periodically; as frequently as every **MAC** protocol data ... a WEP shared key, the NIC should revert to the open system **authentication**. ...

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D Reed - Practical GSEC, 2003 - mut.ac.th

... Built-in encryption, **authentication**, and **MAC** filtering may be applied to secure ... Vulnerabilities

Route spoofing - propagation of false network topology IP **Address** Spoofing- false ... Session Layer Vulnerabilities Weak or non-existent **authentication** mechanisms Passing of session ...
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[PDF] Building a secure Ethernet environment

F Prendergast, N Andover - PLANT ENGINEERING-CHICAGO ..., 2003 - siemens.com.ar
... In both cases, some providers offer add-on software and hardware modules for remote **authentication** and ... This acts to hide the original internal **address** of the sender inside the firewall. Firewalls allow filtering on **MAC** addresses, IP addresses, port numbers or even certain ...
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[CITATION] Authenticated VLANs: Secure Network Access at Layer 2

J Hayes, J Thomas - Alcatel Telecommunications Review, 2002 - ALCATEL
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Custom solutions for complex networks

GM Whalley, DJ Newson, K Linsell, MJ Palmer - BT Technology Journal, 2000 - Springer
... force the issues to the attention of the network **user**, owner and designer sooner than ever **before**. ... into multiple logical switches, each consisting of a set of ports and the **MAC** addresses of ... ability of services such as dynamic DNS to cope with changes of IP **address**, • they allow ...
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... , G Chandranmenon, S Han, YW Lee ... - IEEE ... , 2003 - cchen1.csie.nitust.edu.tw

... 2, 3 and 7. The model relies on the dynamic packet fil- ters that use information that includes **MAC address**, IP source and destination **address**, and TCP ... In our model, a non-802.11i mobile node can connect through the access point without any **layer-2 authentication**. ...

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M Buddhikot, G Chandranmenon, SJ Han, YW Lee, S ... - IEEE INFOCOM, 2003 - Citeseer

... accounting subsystem also obtains auxiliary information such as **user** identity, IP **address**, **MAC address**, etc. ... However, it does not support seamless mobility, and requires manual **user** intervention to **switch** ... In this service, a session is **authenticated** via a web browser, while local ...

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P Bahl, A Balachandran, S Venkatachary - Proc. IEEE ICC'01, 2001 - Citeseer

... NetBar system is yet another proposal in which a NetBar port remains isolated on a "non-connected" VLAN until the **user** at that port is **authenticated** [21]. This system relies on an expensive specialized hardware **switch**, and is not secure from **MAC-address** spoofing attacks. ...

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[Virtual operator based AAA in wireless LAN hot spots with ad-hoc networking ...](#)

J Zhang, J Li, S Weinstein, N Tu - ACM SIGMOBILE Mobile ... , 2002 - portal.acm.org

... rely on **MAC address** or IP **address** based access control, which are obviously quite vulnerable given that **MAC** addresses and ... If somebody fakes the source IP **address** in the packet without knowing the shared key, the IP packet headers will ... IV.A.1. The **authentication** procedure ...

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P Bahl, A Balachandran, S Venkatachary - Microsoft Research, 2000 - Citeseer

... not available in Windows 95, Windows 98, Windows CE, and several versions of **MAC OS**. ... there is an end-to-end secure channel between the **user** and the **authentication** service ... 3.2.2 **Address** Allocation and Naming The CHOICE network uses a standard DHCP server to lease ...

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R Cohen - IEEE Communications Magazine, 2003 - Citeseer

... **Authentication** and autho- rization can be performed either by the DHCP server, based on the host's **MAC address**, or after the host gets its initial ... In the sec- ond subcase the **user** is allowed to select an ISP and **switch** from one ISP to another using some online mechanism. ...

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... To prevent **MAC address** spoofing and replay attacks based on a spied access token, we ... by external nodes based on packet analysis (ie, packet type, source **address**, data rate, etc ... dynamically enable or disable link- layer access to network ports based on **user authentication**. ...

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Network layer access control for context-aware IPv6 applications

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... this method authorizes a terminal to have access to the network, not the **user** in possession ... advanced systems attempt to tackle one or more of the problems associated with **MAC address** filtering by ... Improving the performance of client **authentication** is the subject of future work. ...

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... 33 5.2.1 IP and **MAC address** spoofing The system should allow for assigning publically routable IP **address** to the users, ie, not only private **address** combined with network **address** translation (NAT ... The session between client and server is **authenticated** using a shared secret ...

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